

FIG. 1A

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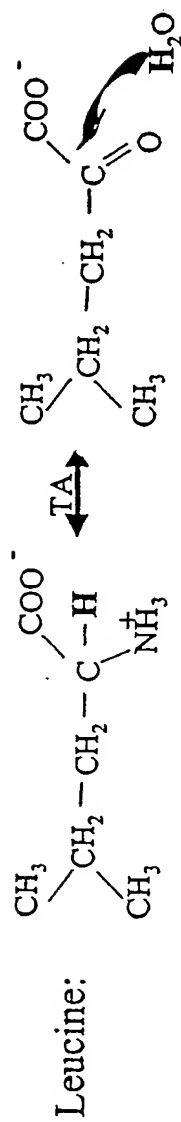


FIG. 1B

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$H_2^{18}O$ Labeling of Free Amino Acid for Protein Synthesis

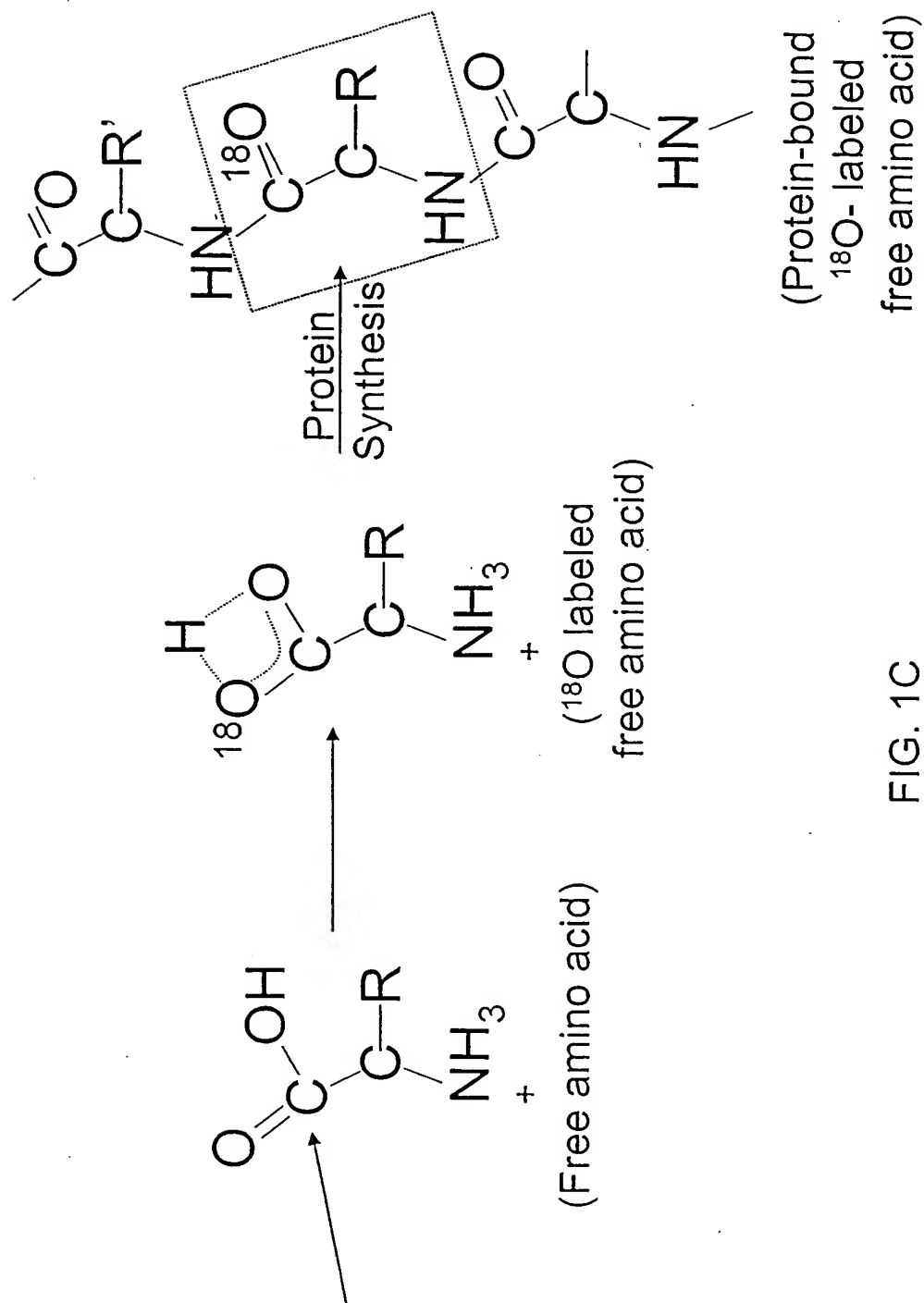


FIG. 1C

Incorporation of deuterium from water into deoxyribose (dR) of DNA

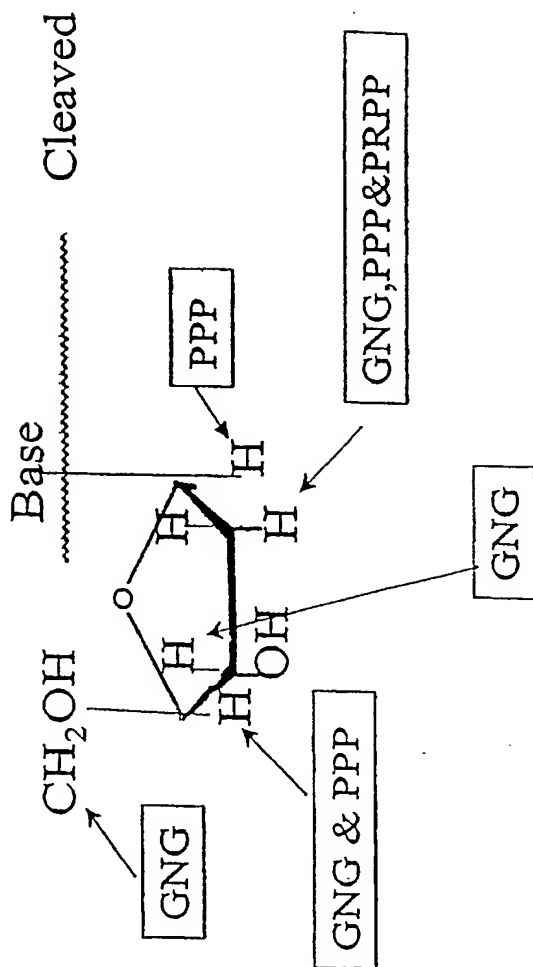


FIGURE 2

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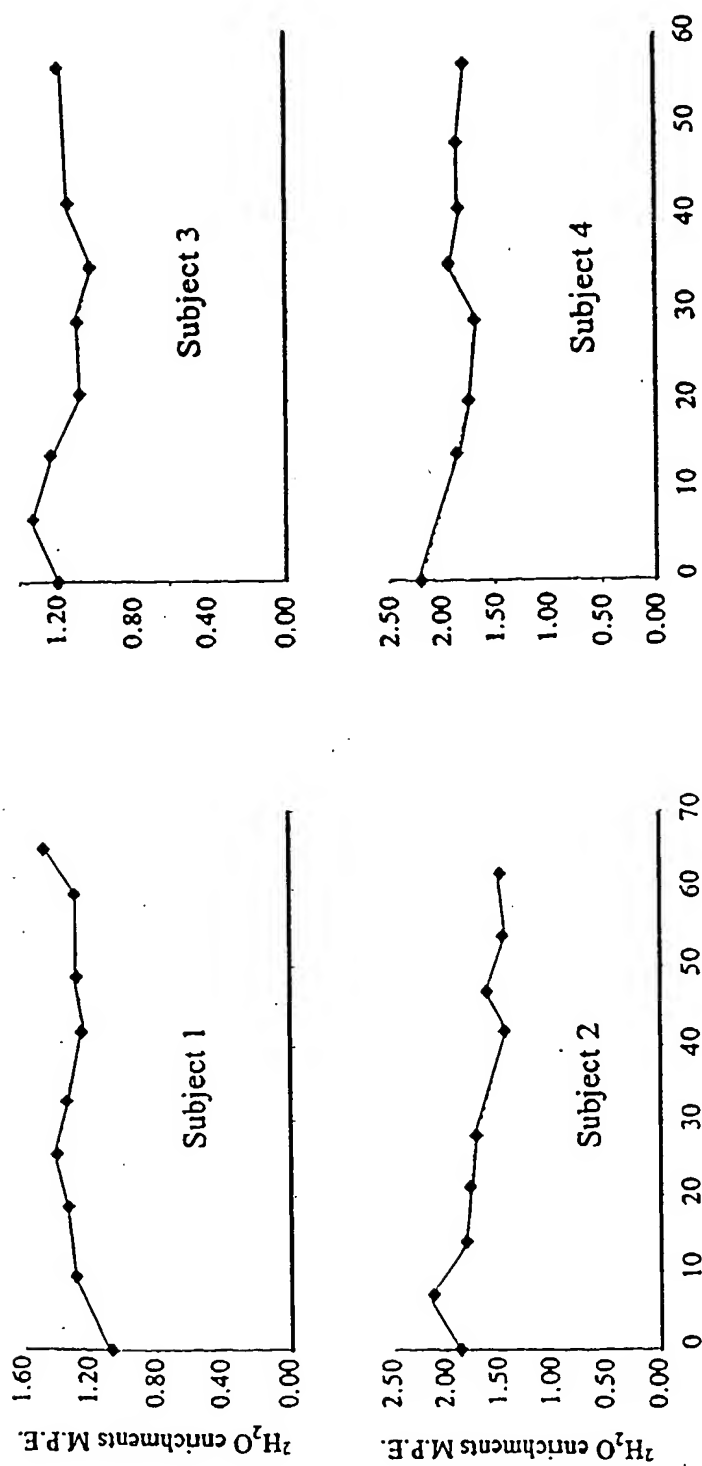


FIG. 3

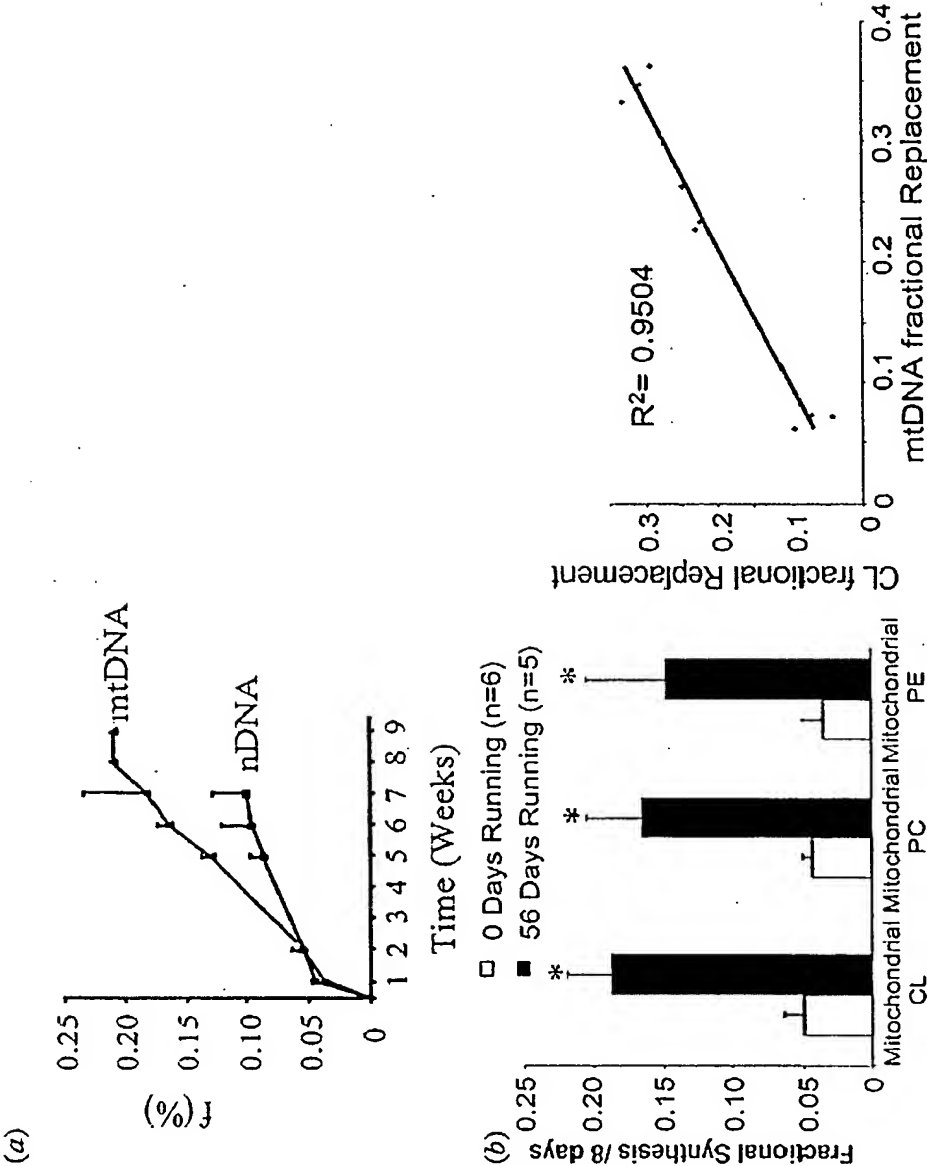


FIG. 4

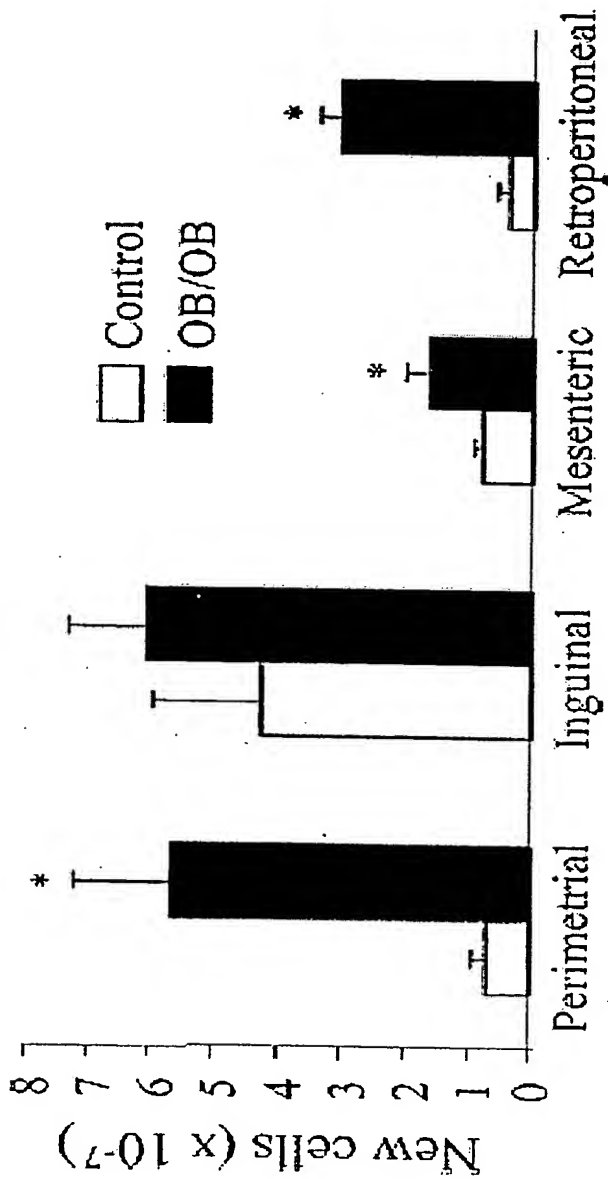


FIG. 5

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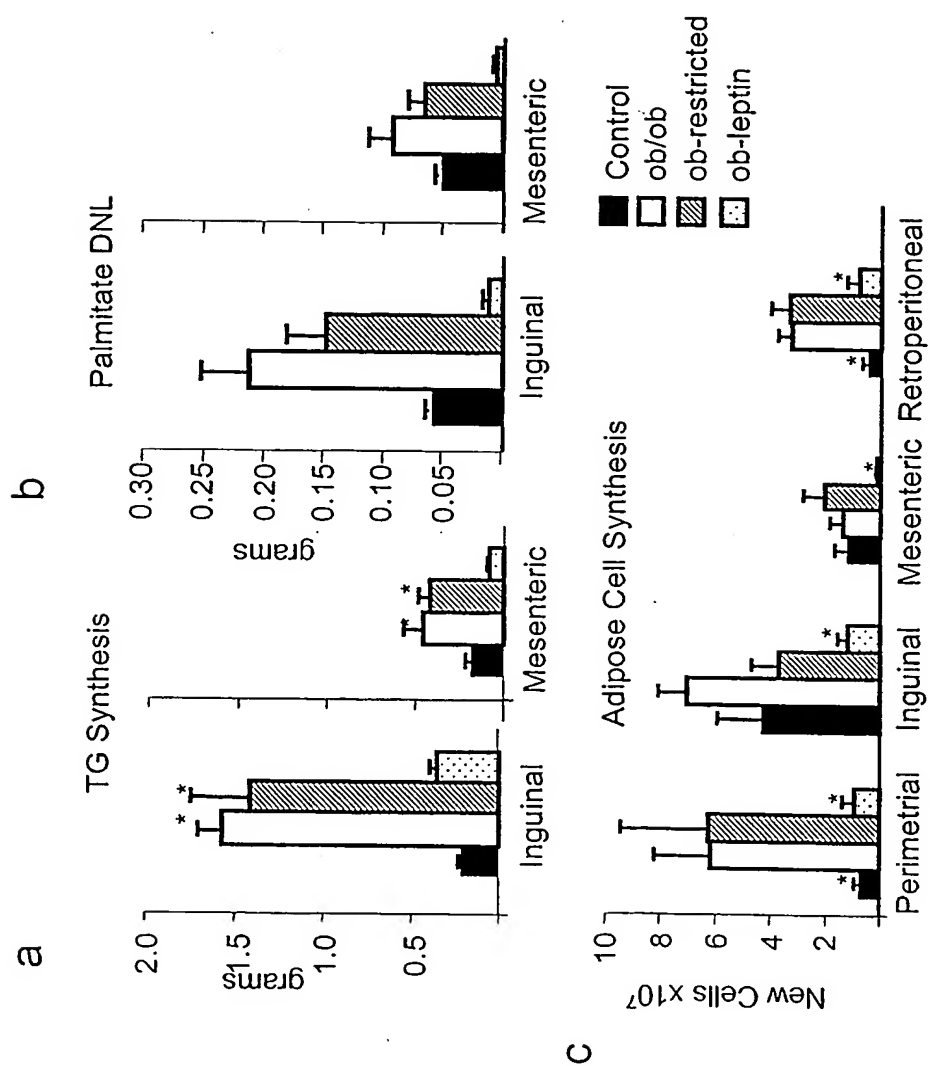


FIG. 6

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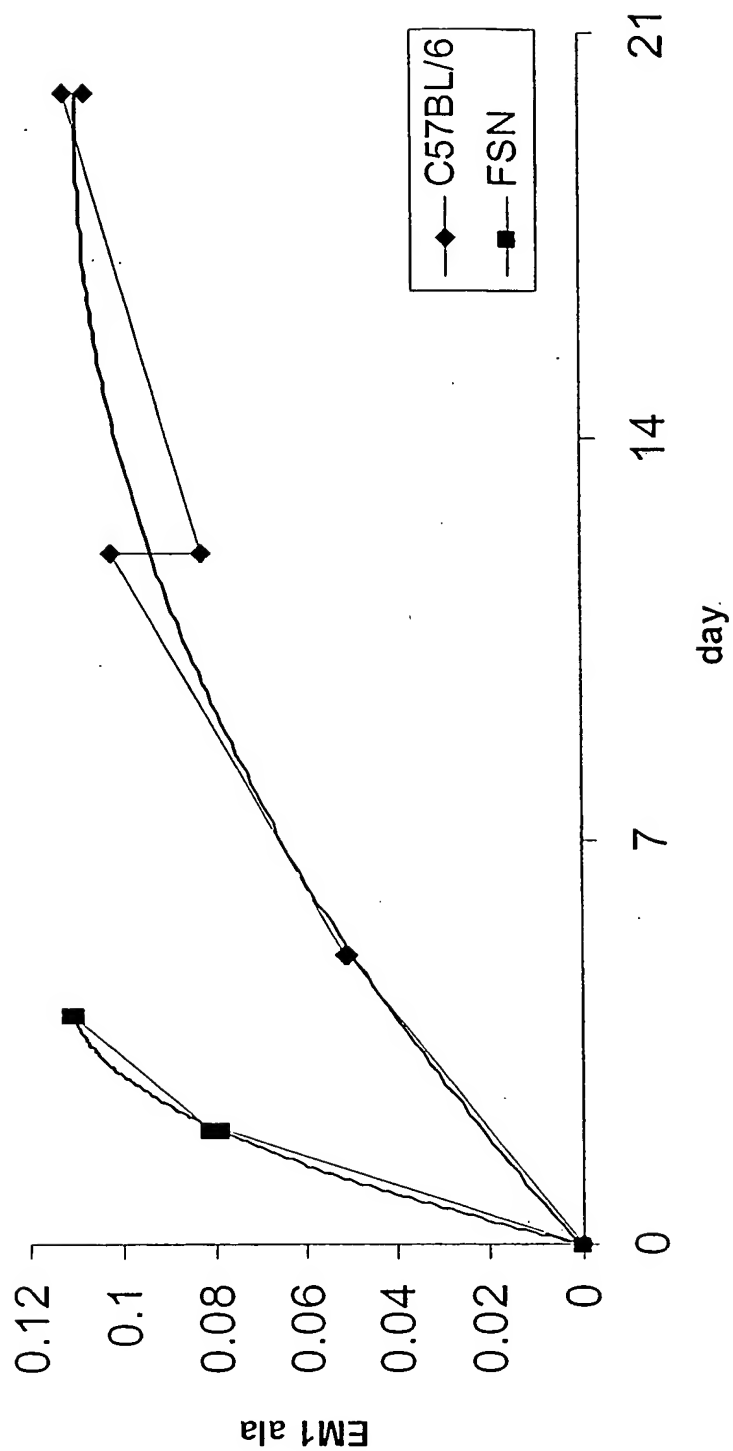


FIG. 7

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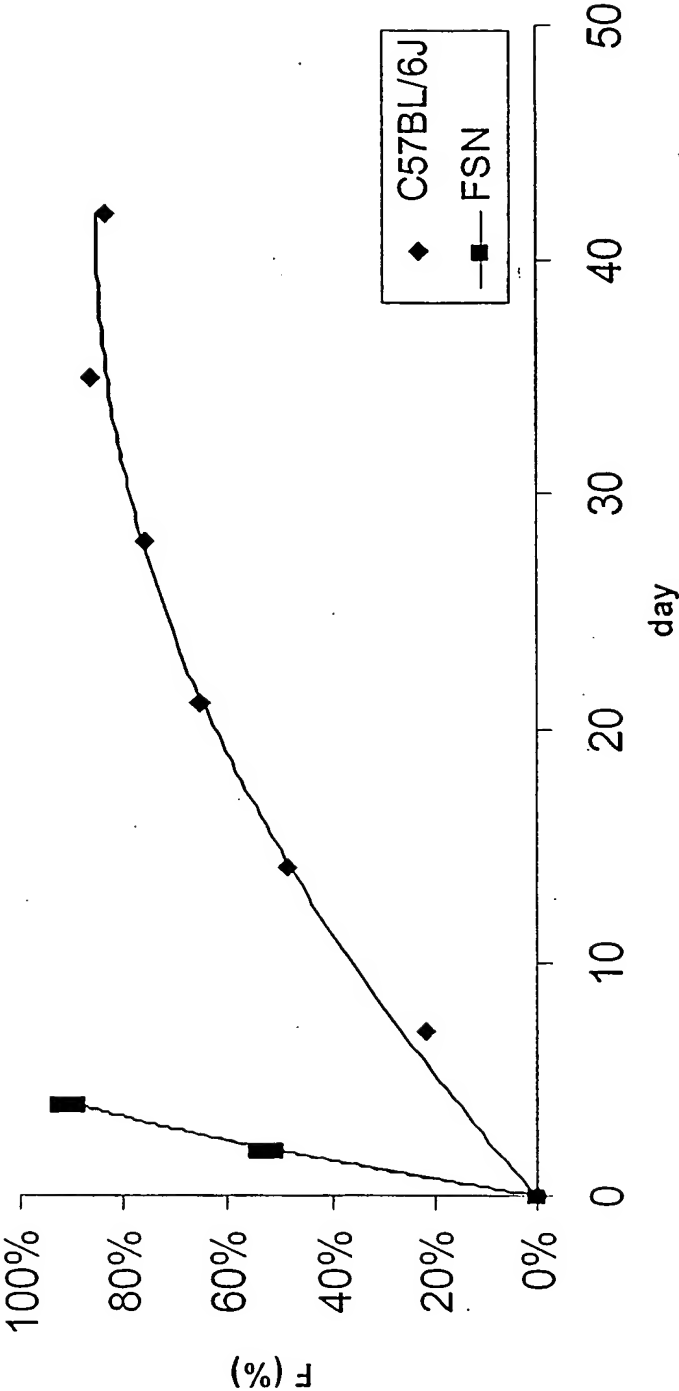


FIG. 8

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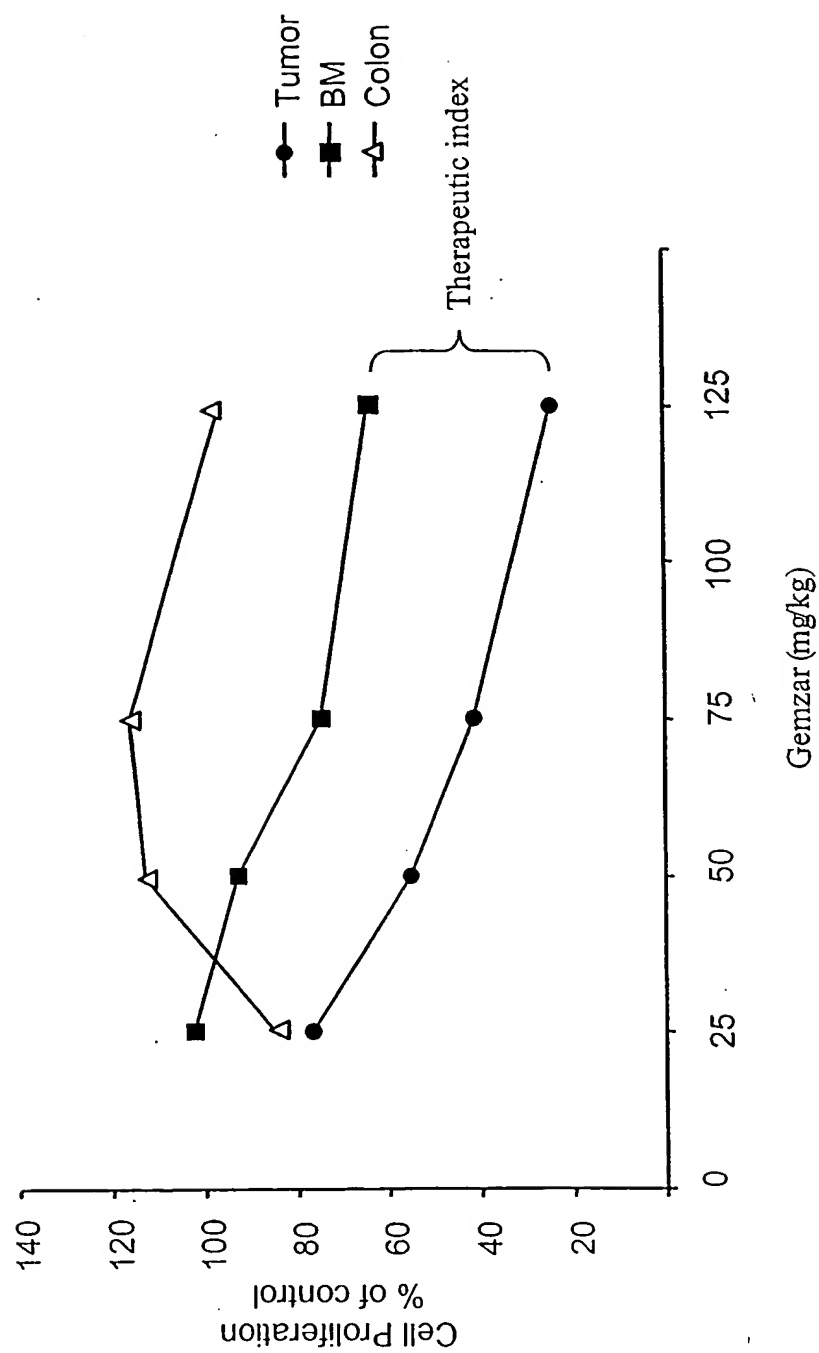


FIG. 9

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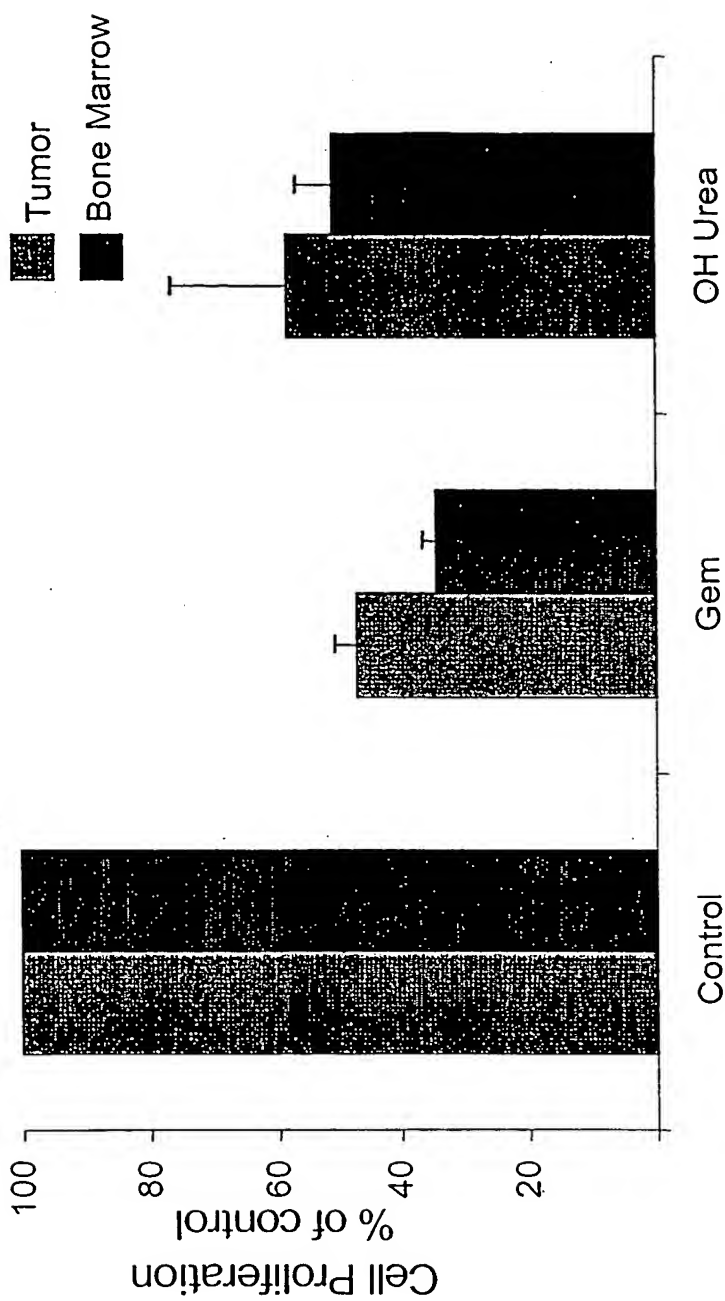


FIG. 10

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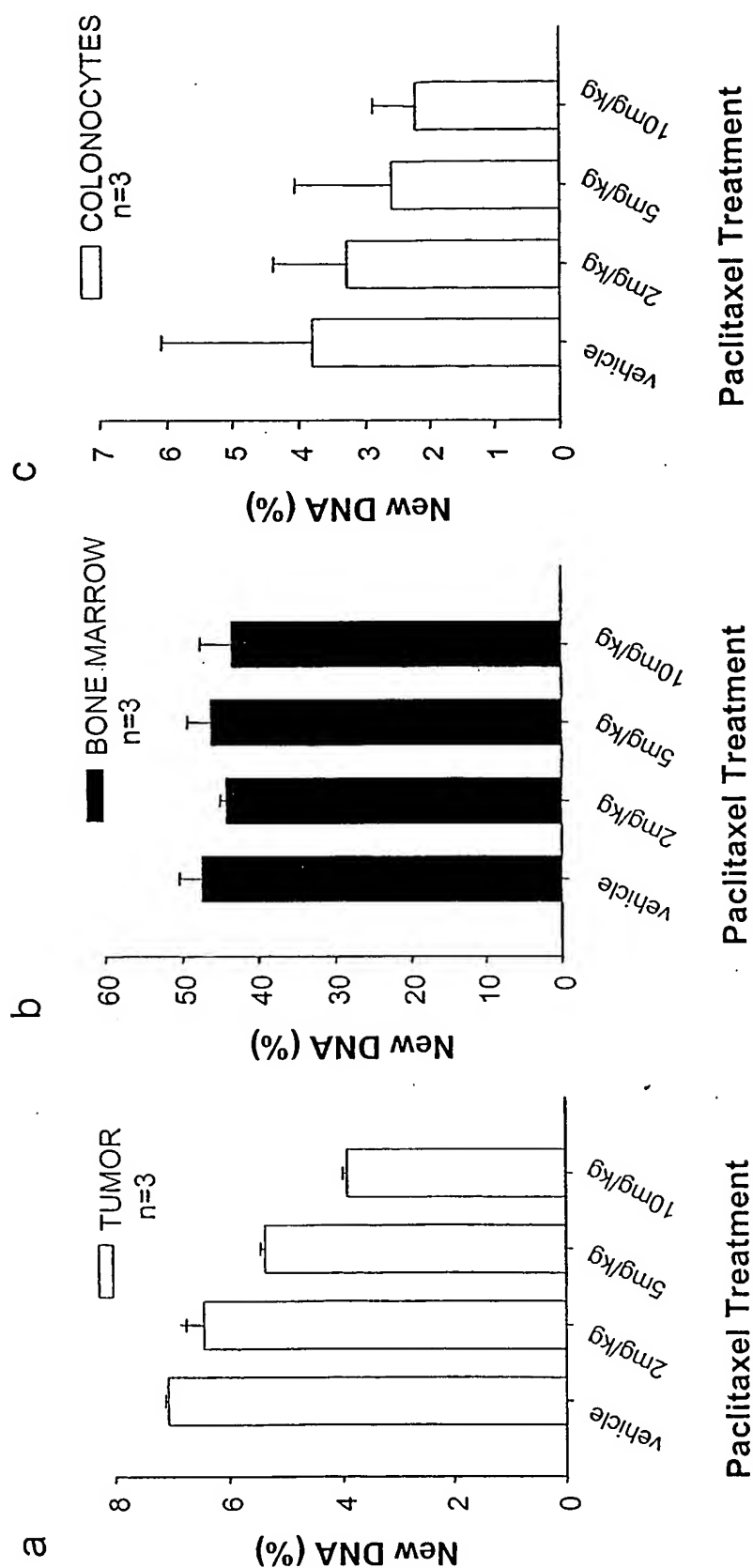


FIG. 11

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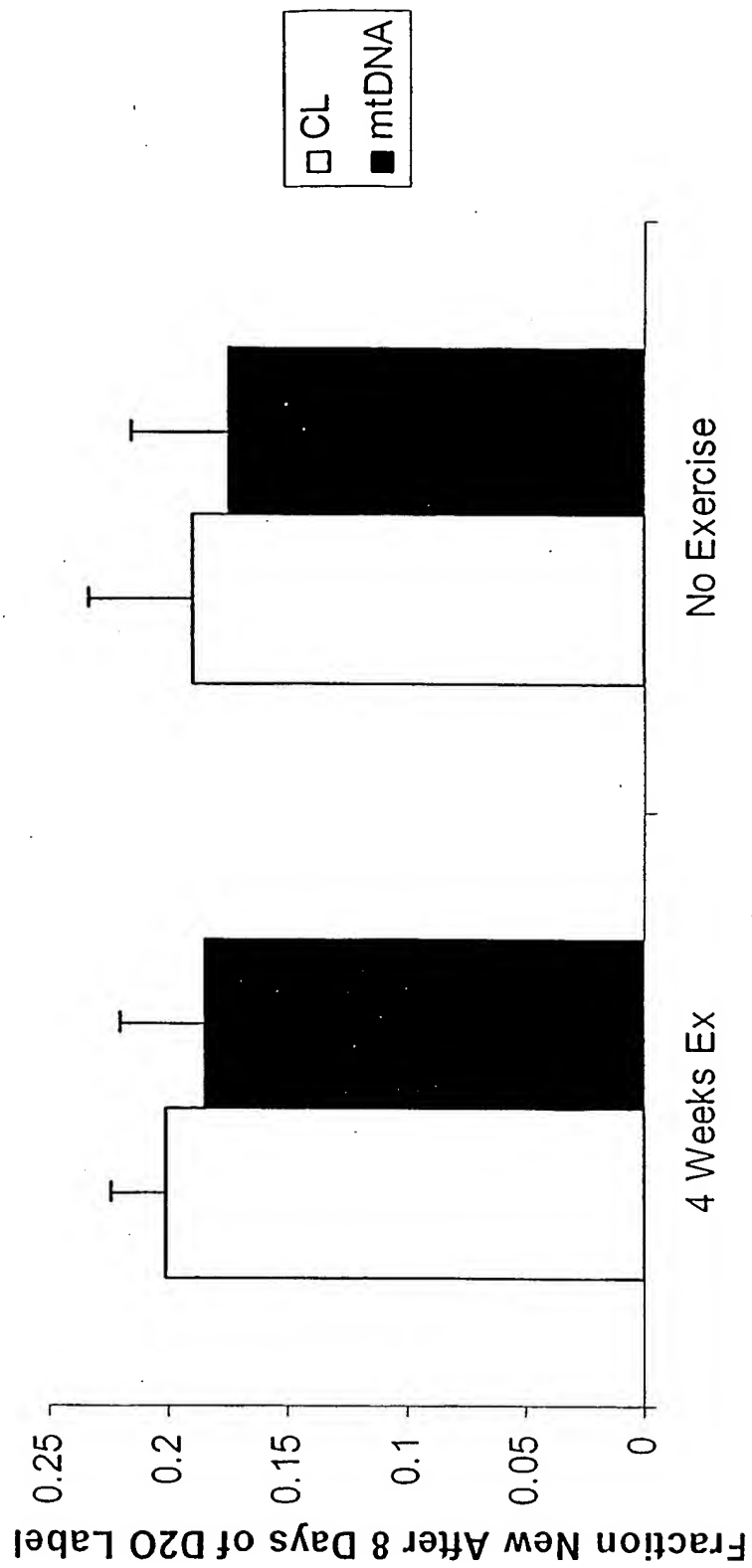


FIG. 12

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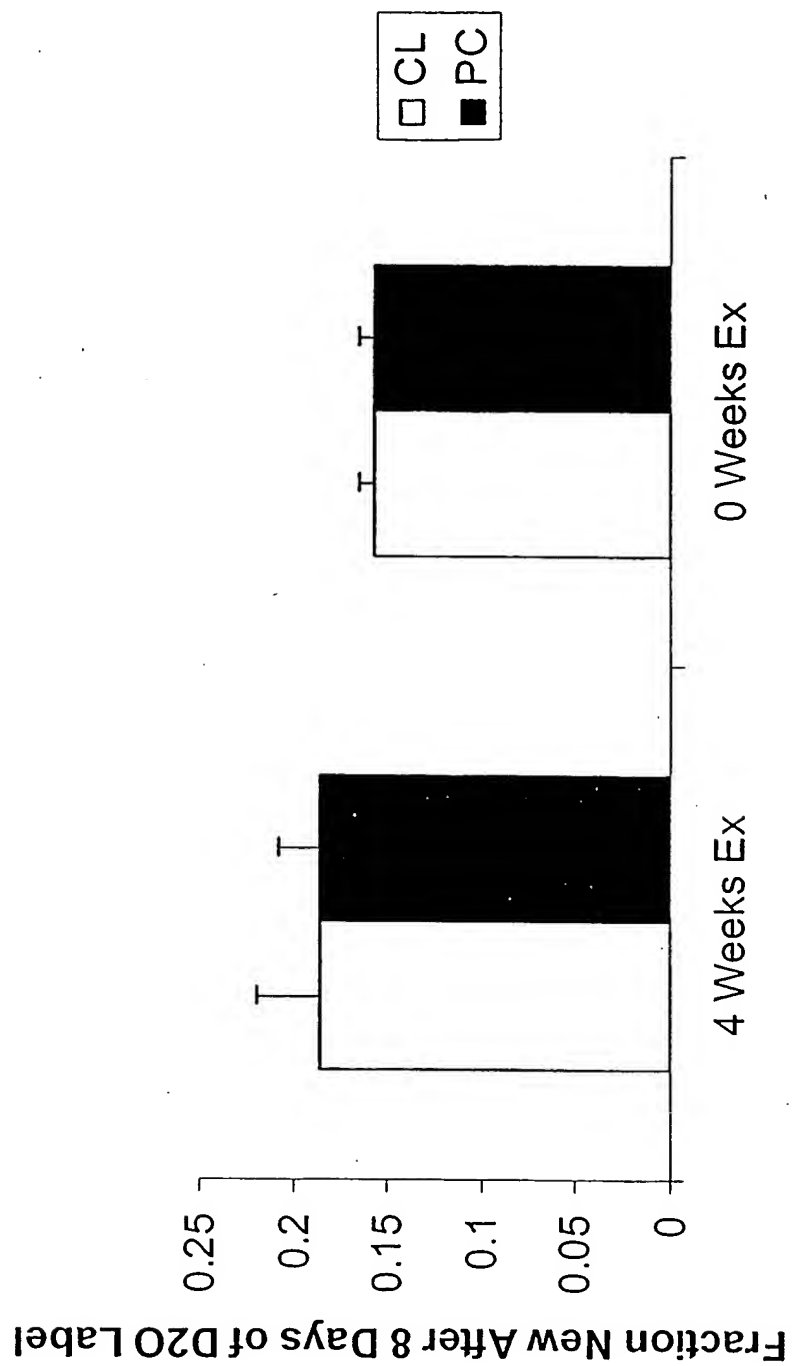


FIG. 13

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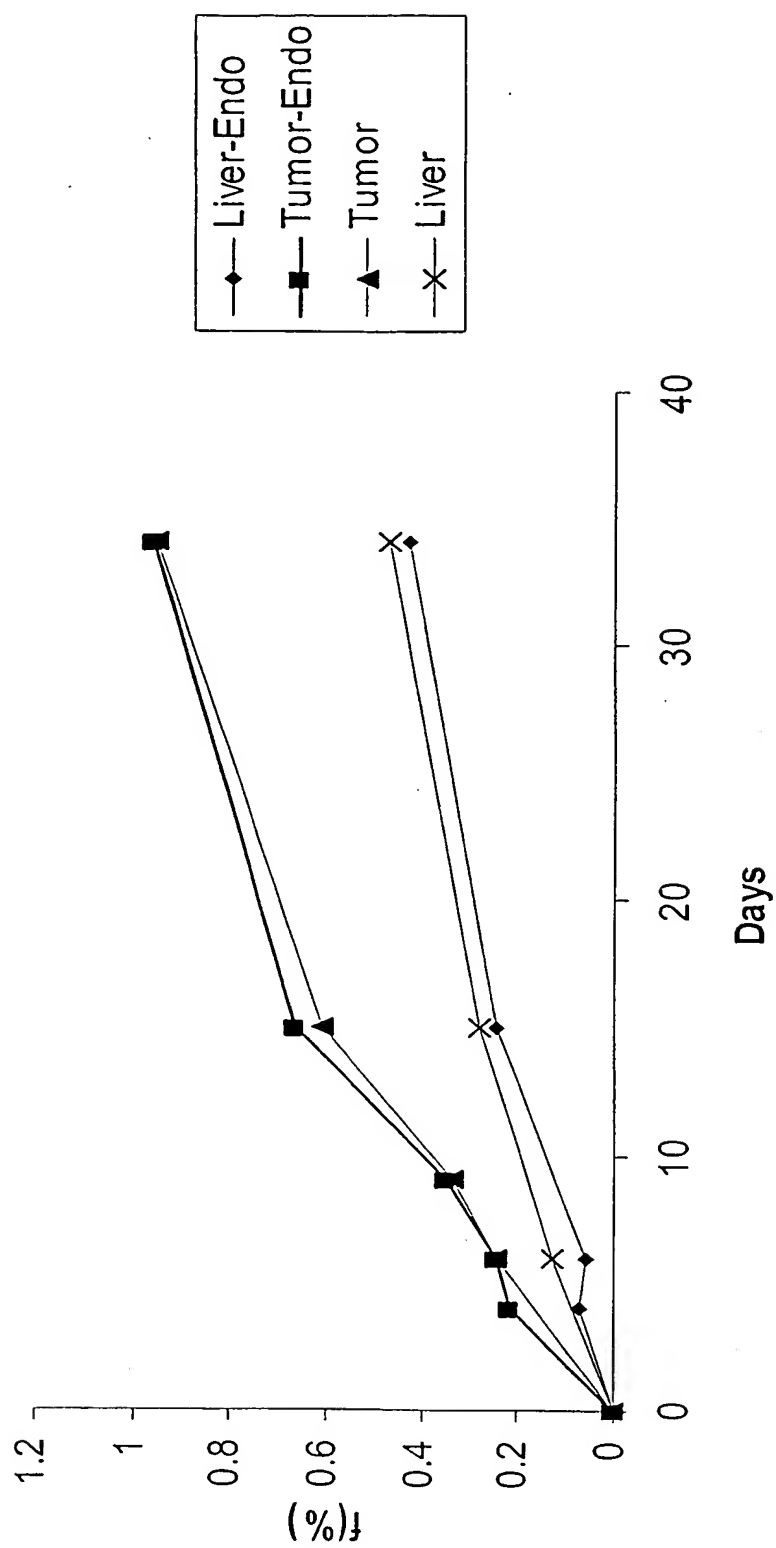


FIG. 14

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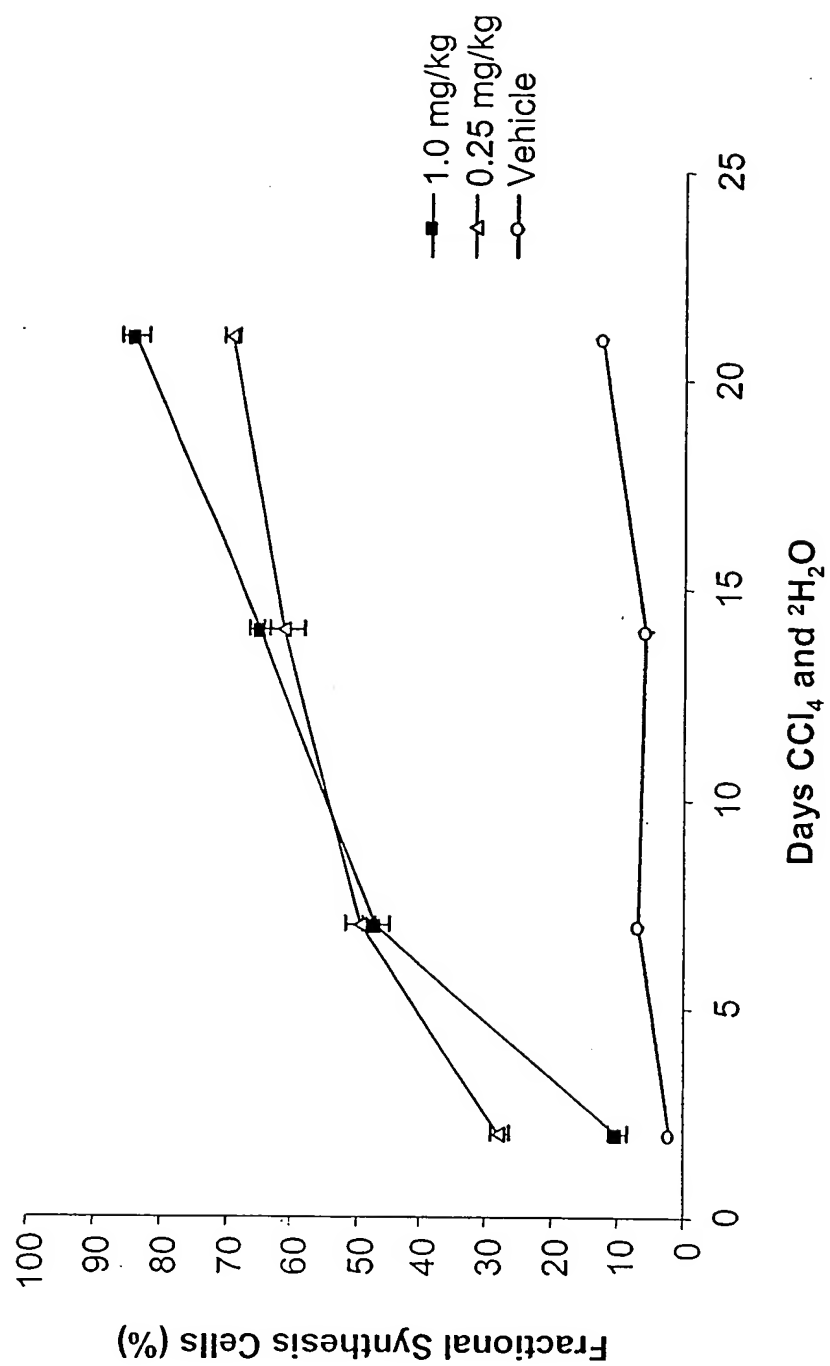


FIG. 15

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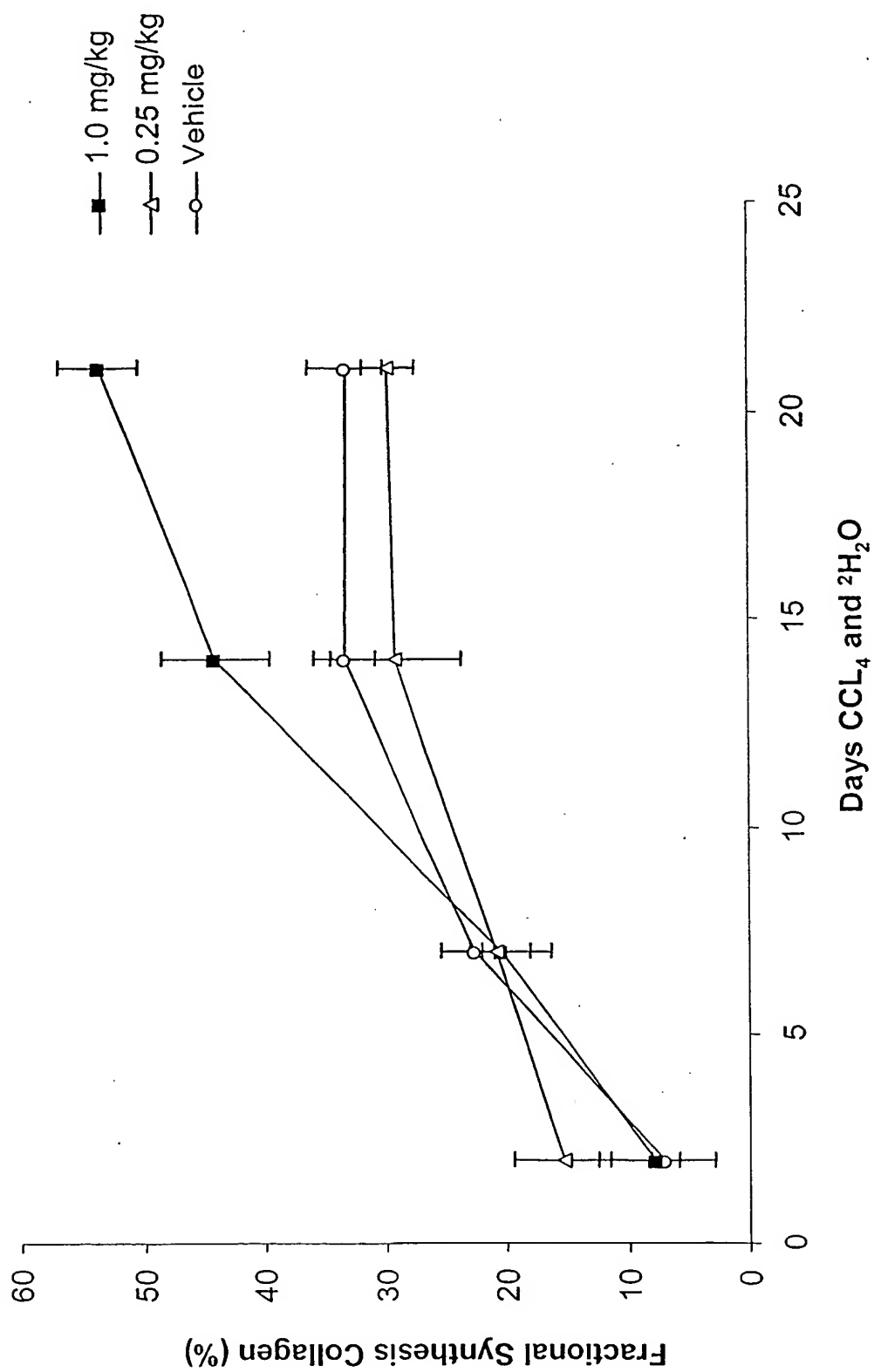


FIG. 16

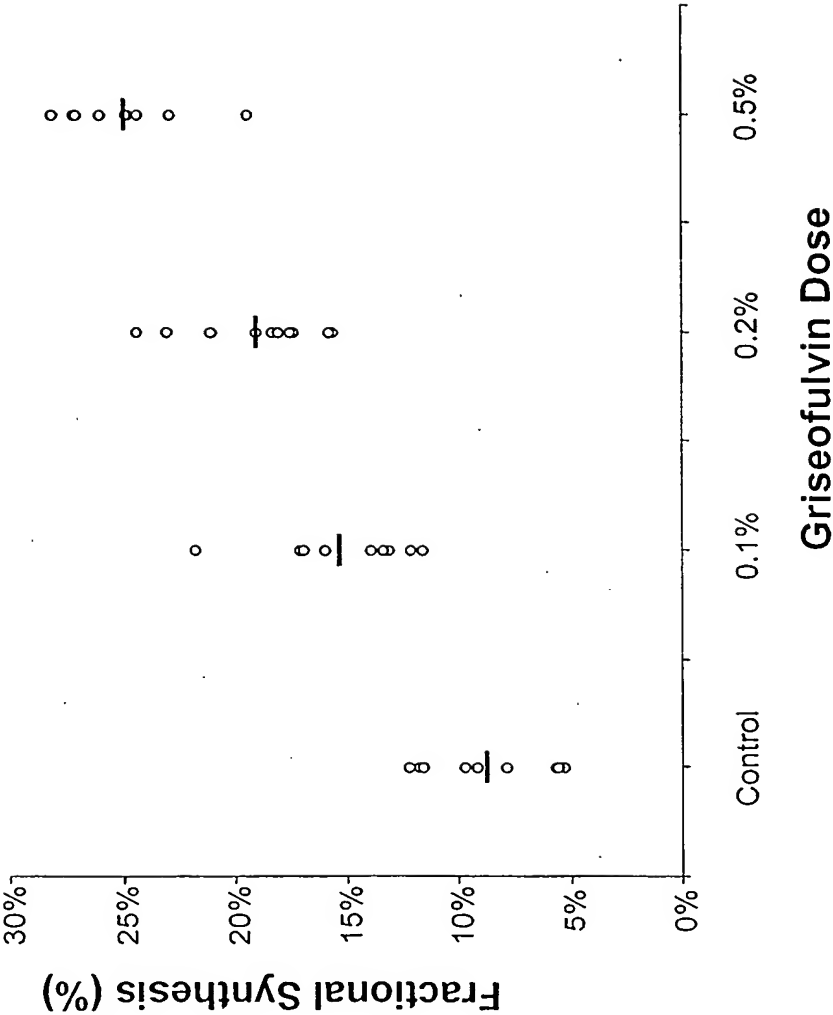


FIG. 17